

# Development of JPO Paperless Systems

*Using IT to Modernize the Operations and  
Outreach Activities of National Intellectual  
Property Offices : Experience of JPO*

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## Japan Patent Office



*e-Government*

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## **Introduction**

- Background to Formation of JPO Paperless (PL) System Project (Overcoming of Obstacles)
- History of PL System
- Actual State of PL System
- Effect by Introducing PL System Project
- Lessons from JPO as a Front-runner
- Conclusion

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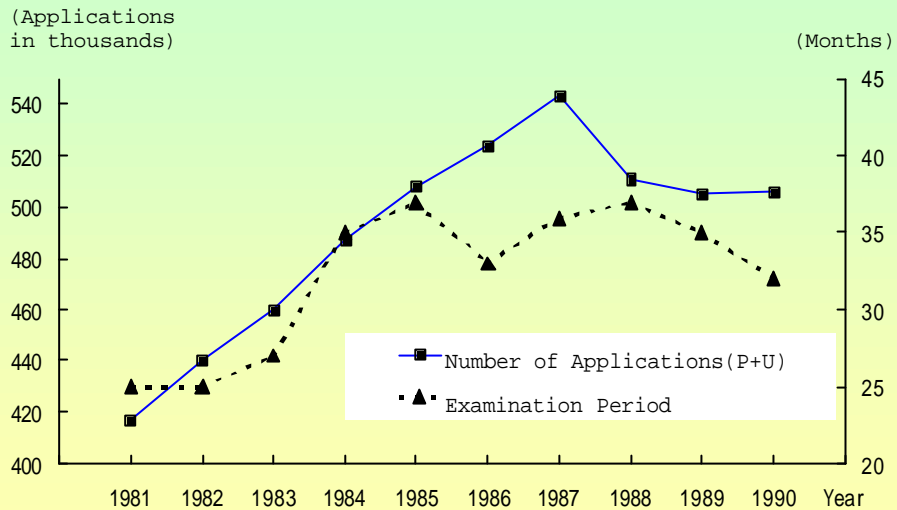
## **Background to Formation of PL System Project**

### **What were the big issues in the 1980s?**

- Increasing number of applications and longer pendency period
- Difficulty with paper-based administration
- Limitations of manual search by paper file

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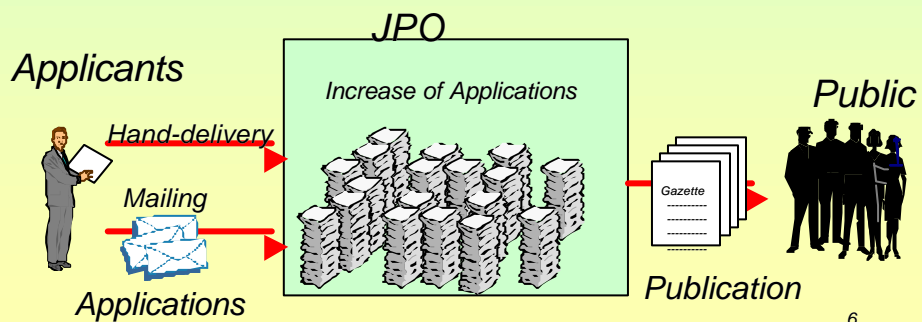
## Increasing Number of Applications and Longer Pendency Period



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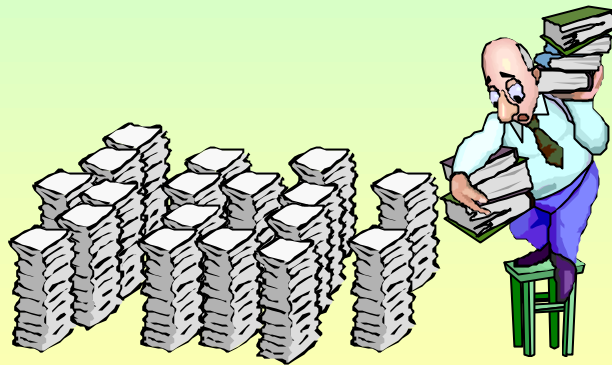
## Difficulty with Paper-based Administration

- Inefficient administrative work
- Flow of documents
- Securing space



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## Limitations of Manual Search by Paper File

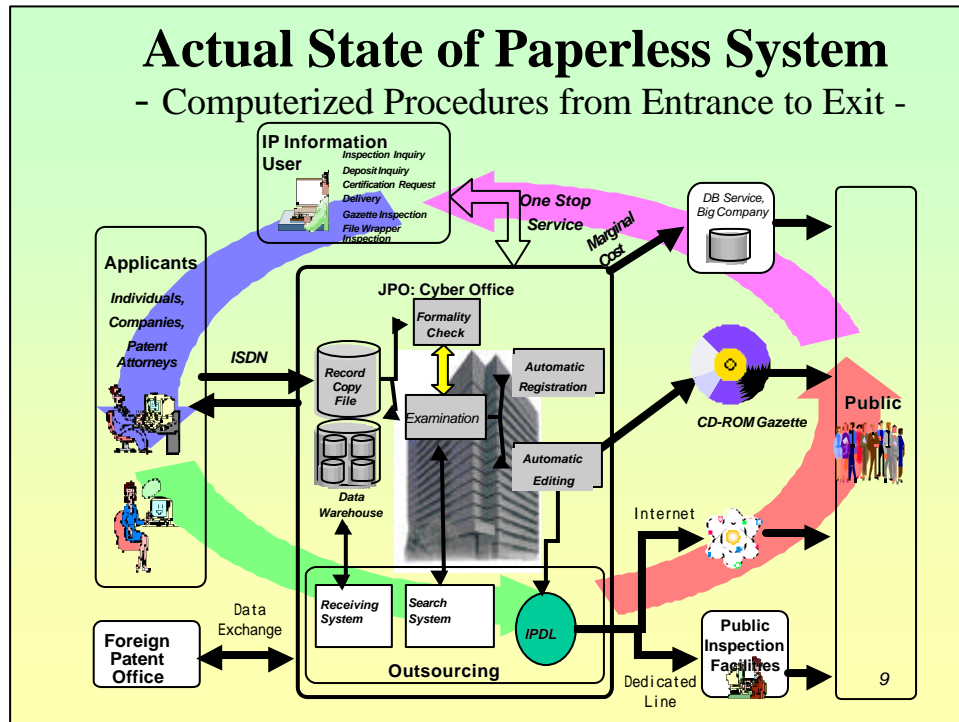


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## History of PL System

- |           |   |
|-----------|---|
| -1984     | PL project inauguration   |
| -1985 Jan | Inauguration of patent document search system                         |
| -1990 Dec | Start of e-filing for patent  |
| -1993 Jan | Publication of CD-ROM gazettes  |
| -1998 Apr | E-filing using PCs  |
| -1999 Mar | Establishment of IPDL   |
| -2000 Jan | Inauguration of PL system for designs, trademarks, PCT-DO and appeals |

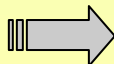
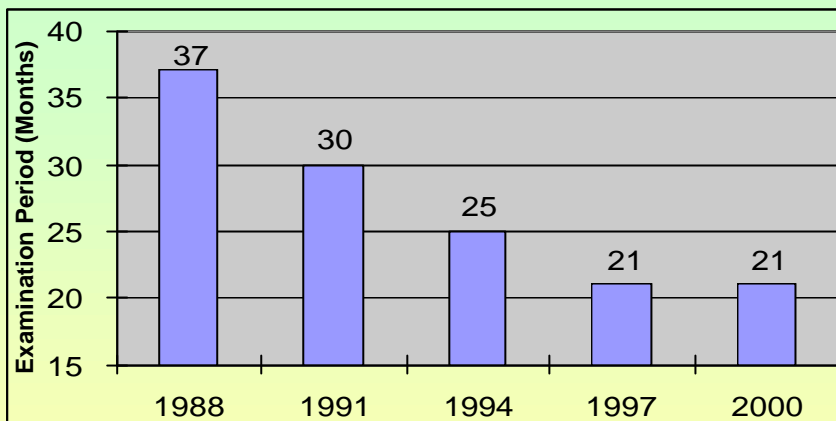
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## Effect by Introducing PL System Project

- Contribution to Prompt and Accurate Examination
- Effective Internal Administrative Procedure
- Increase in User Friendliness
- Upgrading of Information Provision Services
- International Collaboration and Support for Computerization in Developing Countries

## Contribution to Prompt and Accurate Examination



*Manual Search To Computerized Search*

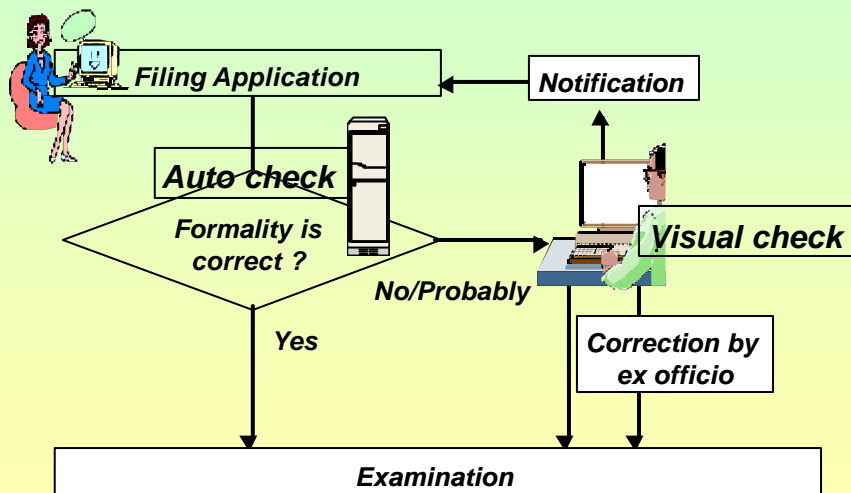
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## Effective Internal Administrative Procedure

- Establishment of automatic formality check
- E-filing software possessing multi-function (Filing, Automatic Styling Check, Inspection, Receipt of notifications, etc.)
- E-management for application, notification, etc.

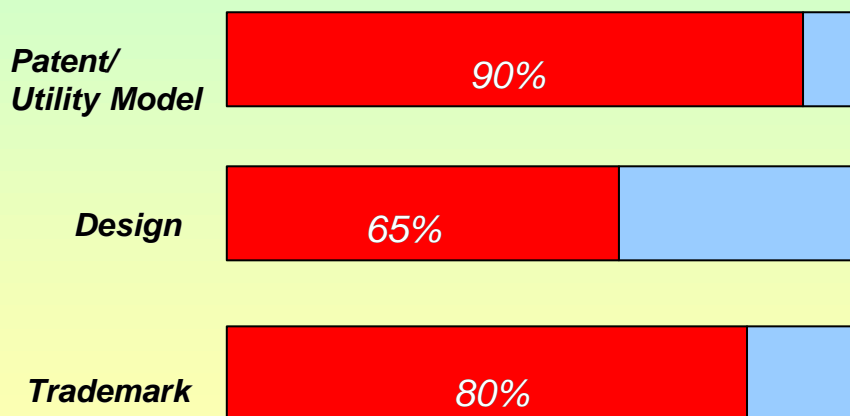
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# Automatic Formality Check

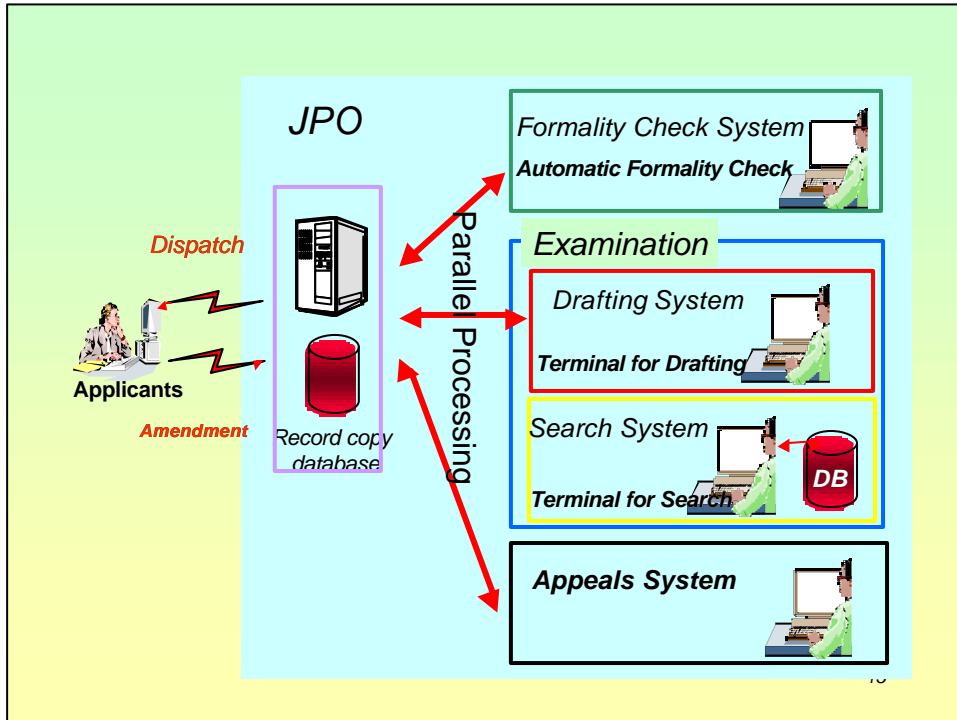


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# Automatic Formality Check Ratio

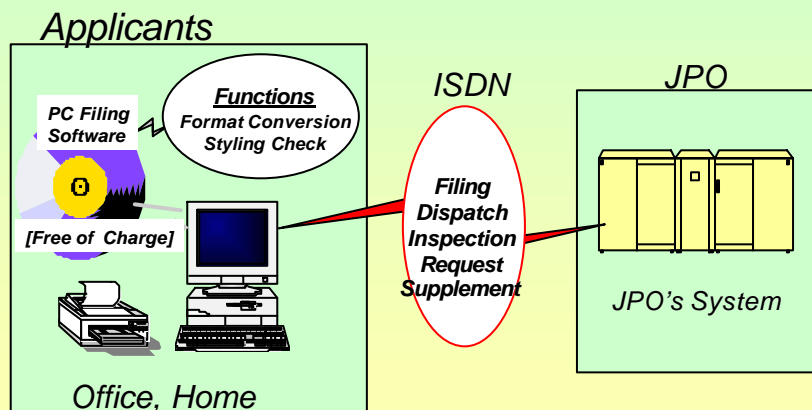


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## Increase in User Friendliness

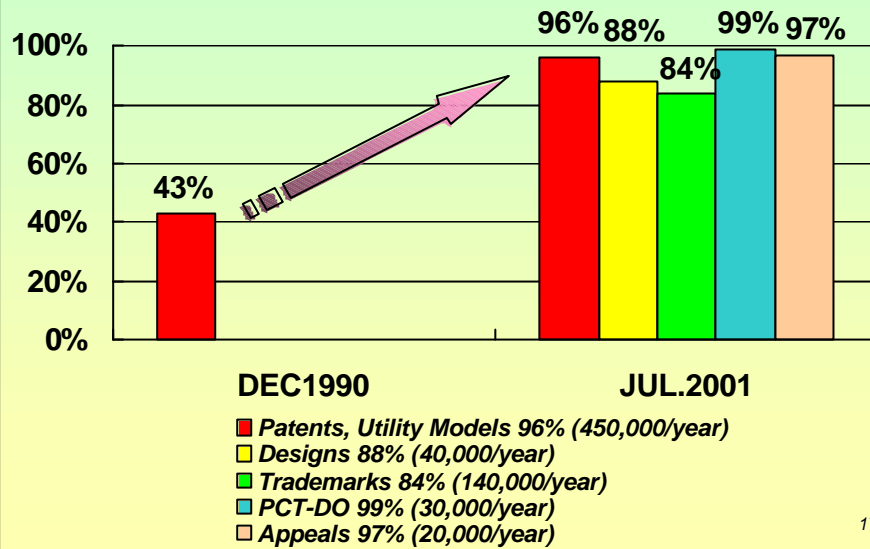
- Electronic Filing from Office or Home -



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## Trends in the Ratio of e-Filings



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## Lessons from JPO as a Front-runner

Setup a clear vision / target

Establishment of systems for examination and development

Conformity to standard

Factor to attain high e-filing ratio

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## **Setup a Clear Vision / Target**

- **Spirit of JPO PL System Development**
  - To computerize from entrance (e-filing) to exit (notification, registration, publication)
  - To use online network technology practically
  - To computerize all search documents
  - To deal with all business in online terminals
  - To enable everyone to access IP related information freely

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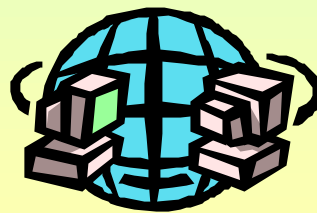
## **Establishment of Systems for Examination and Development**

- Chain of command for planning and administration
- Clarification of person responsible for development and Concentration of authority
- Information sharing and integration of opinions
- Decision-making at big turning point to prevent regression of system development
- Cost evaluation, audit and maintenance

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## Conformity to Standard Technique

- PCT e-filing technical standard
- WIPO standards (e.g. ST xx)
- De-facto standard



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## Factor to attain high e-filing ratio

- Explanation to users (applicants and attorney) about merit of e-filing
- Difference of fee between e-filing and paper filing
- User support by establishing Help-desk
- Allocation of joint user terminals with advisers installed in IP centers all over Japan



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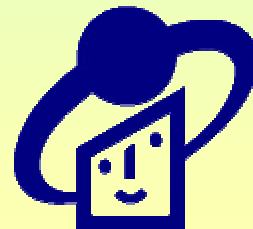
## In place of Conclusion

- JPO expects its experience will be of use to APEC members development.
- JPO is welcoming exchange of views on its experience.



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## Thank You !



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